



MANIPULATIVE PERFORMANCE TEST

Procedures Handbook 4300

HOSE

TOPIC/EQUIPMENT: MAKE A FORWARD LAY AND ADVANCE A PRE-CONNECTED ATTACK LINE

CATEGORY: Performance Examination

POINTS POSSIBLE: 100

TIME ALLOWED: 6 minutes, 30 seconds (00:06:30)

BEHAVIORAL OBJECTIVE:

Condition: A fire engine spotted at a hydrant, a hose bed with 500 feet of medium or large diameter supply hose (2.5"-5"), 150 feet of 1-1/2" or 1-3/4" pre-connected fire attack hose, appropriate spanner wrenches, adapters and a hydrant wrench. One MSA Firehawk SCBA or local government Schedule A approved SCBA will be mounted on the engine. Exam course to be predesignated on flat terrain using traffic cones or marking paint.

Behavior: The student in full structure fire personal protective equipment (PPE) per CAL FIRE policy will pull and anchor the supply hose, make the hydrant connection, charge the forward lay upon command, The student will then don a SCBA per CAL FIRE policy under simulated fire conditions and deploy a pre-connected fire attack hose line under simulated fire conditions.

Standard: With a minimum of 80% accuracy, within 6 minutes, 30 seconds (00:06:30)



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MATERIALS NEEDED:

- A Type 1, 2, or 3 fire engine
- A suitable fire training simulation structure (see Special Notes)
- Qualified fire apparatus operator in appropriate structure fire PPE
- Hose bed of medium or LDH supply hose (2.5"-5")
- 150 feet of 1-1/2" or 1-3/4" pre-connected attack line with nozzle and bale shut-off
- Working hydrant
- Hydrant wrench
- Two (2) appropriately sized spanner wrenches (not including one on the hydrant wrench)
- Hydrant adapters as needed per local Unit
- Performance examinations
- Individual score sheets
- One (1) stop watch
- One (1) clip board
- One (1) red pen
- Marking paint, chalk, or traffic cones
- Tape measure
- Appropriate structure fire safety PPE per CAL FIRE policy
- One MSA Firehawk SCBA or local government Schedule A approved SCBA will be mounted on the engine.

PROCEDURES:

The student in full structure fire PPE is seated in the engine, with seat belt fastened. Time starts when the student exits the cab and steps on the ground. Time stops when the student is clear of the simulated fire door and flows an adequate fire stream from the 1-1/2" or 1-3/4" preconnected attack line. All hose connections must be made and the attack line extended. Any action or condition that puts the hose in a manner that would impede an effective fire flow will result in a failure of the exam.

The student will meet with an exam proctor who will inspect the student for proper PPE use and SCBA donning prior to ending the exam



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SCORING:

Points will be deducted for each step omitted, performed improperly, or performed out of sequence. If the student goes over the allotted time he/she will fail the entire examination. Steps designated by Pass/Fail must be performed or the student fails the examination. A score of zero (0) will be given if, during the examination, the student performs any step or procedure that would jeopardize the safety of personnel or damage apparatus or equipment.

Once the examination begins; the exam proctor shall not answer any questions or intercede in any way, unless safety violations occur that would injure personnel, damage hose, apparatus, or equipment.

If the student is straddling the hose, is standing inside the bight while laying the supply line or in front of the coupling, the exam proctor will not allow the engine to proceed. The proctor will intervene, stop the test and the student will fail the exam due to a safety violation.

Should a student need to retest, any successful retest will achieve a passing score of no more than 80 points.



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SPECIAL NOTES:

Before the examination begins the student will be allowed to ask any clarifying questions and inspect the hose and equipment. The student will be wearing full structure fire fighting personal protective ensemble (PPE) per CAL FIRE policy. The student shall not run during any portion of the examination

This exam may be conducted using two options:

The engine will make a 200' forward hose lay from the hydrant ending 100' from the simulated fire door (mark distances using paint, chalk or traffic cones).

Advance the pre-connected attack line 100' to the simulated closed fire door. Open the door and extend the charged attack line 25 feet into the building. Negotiate the two ninety degree turns totaling fifty feet (50'). Open and enter the second doorway (interior or exterior). Student must completely pass through the doorway before fully opening the nozzle flowing water on the simulated fire.

1. If the Local Unit has a 3-story training tower similar to the CAL FIRE Academy's training towers at Lone and Clark Training Centers follow the CFA Firefighter Academy's three story tower exam procedures.

2. If the Local Unit has a single story training building or prop, the following setup must be in place prior to the exam: Two door ways with working doors must be utilized. The simulated fire doors can be a doorway to the building and an interior room or fire apparatus bay with two doorways. A ninety-degree (90°) turn must be negotiated by the student after making initial entry twenty-five feet (25') inside the structure. Following the first twenty-five (25) feet another ninety-degree (90°) turn is negotiated. The student continues an additional twenty-five (25) feet to doorway #2.

Performance Examination

MAKING A FORWARD LAY AND ADVANCE
A PRE-CONNECTED ATTACK LINE

DATE ____ / ____ / ____ TEST # ____ RETEST # ____ UNIT # ____

STUDENT'S NAME _____ ROSTER # ____

EVALUATOR'S NAME _____

POINTS

1. Unbuckle seatbelt, exit engine cab

4

TIME STARTS when feet touch the ground

2. Acquire necessary tools and adapters for hydrant connection. Leave at base of hydrant

6

3. Mount engine tailboard

4

4. Grasp supply hose and necessary equipment to make hydrant connection if attached to hose

4

5. Step off tailboard with supply line

4

6. Remove supply line from hose bed

4

7. Properly anchor the supply line

6

8. Give the command, "**Lay Line**"

4

9. Ground the supply line

4

10. Remove hydrant cap from discharge to be used

4

11. Flush hydrant by slowly and fully opening and closing the hydrant, no water hammers

Pass/Fail

12. Connect hydrant adapter to hydrant if needed, after flushing hydrant

4

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Performance Examination

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13. Connect supply line to hydrant or hydrant adapter	<u>4</u>
14. Acknowledges engine operator ready for water signal by shouting, "Ready for water" and state, "Water coming" prior to charging the hydrant	<u>Pass/Fail</u>
15. Open hydrant completely	<u>4</u>
16. Return to the engine with hydrant and spanner wrenches	<u>4</u>
17. Remove and properly don fire engine mounted SCBA:	
a. Cylinder fully open prior to donning	
b. Face piece seal check completed if mask on	
c. Face piece or fire resistive hood donned, no skin showing if mask is on	
d. Face piece neck strap donned	<u>Pass/Fail</u>
18. Helmet secured on head with tight chinstrap	<u>2</u>
19. State actual SCBA cylinder pressure loudly	<u>5</u>
20. Twist free SCBA straps, hose, and ICM unit	<u>5</u>
21. Deploy 150' pre-connect fire attack line	<u>4</u>
22. Advance pre-connect attack line 100' to simulated fire door #1	<u>4</u>
23. Signal the engine operator to charge the pre-connect attack line	<u>4</u>
24. Bleed air from attack line, check pattern, check flow	<u>Pass/Fail</u>
25. Don SCBA mask, if not completed in Step #16	<u>Pass/Fail</u>

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Performance Examination

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26. Attach regulator to face piece	<u>Pass/Fail</u>
27. Check simulated fire door for heat with hose stream	<u>Pass/Fail</u>
28. Crouch low, control nozzle before opening simulated fire door #1	<u>Pass/Fail</u>
29. Advance attack line through simulated fire door twenty-five (25) feet	<u>4</u>
30. Negotiate first ninety degree (90°) turn, proceed another 25 feet	<u>4</u>
31. Negotiate second ninety degree (90°) turn	<u>4</u>
32. Advance attack line completely through simulated fire door #2	<u>4</u>
33. When distance obtained, firefighter will flow water utilizing an effective firefighting straight stream pattern. Time stops when an adequate fire flow is achieved	<u>Pass/Fail</u>

TIME STOP

35. Firefighter PPE and SCBA donning inspection is complete. Proctor will inspect student's PPE to ensure it was properly donned and stayed in place during exam.

Pass/Fail

ENTER TOTAL TIME: _____

POINTS POSSIBLE: 100

POINTS DEDUCTED: _____

FINAL SCORE: _____

EVALUATOR'S SIGNATURE: _____

DATE: _____

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COMMENTS:
